

THE OHIO STATE UNIVERSITY BULLETIN
Vol. XX JUNE, 1916 No. 35

COLLEGE OF MEDICINE

CHANGES IN ENTRANCE
REQUIREMENTS

SEPTEMBER, 1917

PUBLISHED BY THE UNIVERSITY AT COLUMBUS
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July 16, 1894.

COLLEGE OF MEDICINE

REQUIREMENTS FOR ADMISSION

SEPTEMBER, 1917

To secure admission to the College of Medicine, the applicant must present the following:

(1) An Ohio State Student's Certificate (to be obtained from the Entrance Examiner of the Ohio State Medical Board).

The state law governing the practice of Medicine in Ohio prescribes that every person before entering a medical college must receive a Student's Medical Certificate issued by the examiner of the State Medical Board. Regulations for securing this certificate may be obtained by writing to the Entrance Examiner of the Ohio State Medical Board, State House Columbus, Ohio.

The certificate issued by the Medical Board has two uses: (1) It certifies that the holder has satisfied the minimum educational requirements as fixed by law for admission to medical colleges, which is equivalent to graduation from a first grade high school. It is therefore a prerequisite for matriculation in any medical college in the State of Ohio. (2) This certificate with the diploma issued by a recognized college, must be submitted to the Secretary of the State Medical Board by an applicant for admission to the examinations for a license to practice medicine in Ohio.

(2) A certificate of work in secondary schools. This must certify to graduation from a high school of the first grade (or from a preparatory school of equivalent rank), and must cover fifteen standard units for admission. In lieu of a certificate of graduation from a high school of the first grade, or of

equivalent rank, a candidate for admission may meet the entrance requirements by passing examinations in fifteen units.

(3) A certificate of college attainments, showing that the applicant has obtained credit for at least two years of college work either in the College of Arts, Philosophy and Science of the Ohio State University, or in some other college of approved standing. These credits must total at least sixty semester hours, exclusive of military drill or physical education, and must include as a minimum the requirements as stated for the Science-Medicine course.

ADVANCED STANDING AND OTHER INFORMATION

Graduates in Arts or Sciences, (or holders of a higher degree from an accredited college) or graduates of Colleges of Pharmacy or Dentistry, who have taken either a preparatory medical course, or special course in organic chemistry, physiology or bacteriology, may be given subject-credit provided they present satisfactory credentials to the Entrance Board of having met the requirements of this college. But students given such advanced credit must in lieu thereof take such additional work as will give them no less than thirty semester hours each year in the first and second years of the medical course, except on recommendation of the Executive Committee.

CREDIT FOR WORK DONE IN OTHER MEDICAL COLLEGES

Students from acceptable medical colleges may be admitted to advanced standing under the following rules:

1. They must present satisfactory evidence that they have met the entrance requirements of this college.

2. They must present credentials from the proper officer of the medical college attended, showing that they were registered medical students and in residence for the time for which credit is sought, and that they have met all financial obligations.

3. They must present official credentials of having completed courses of the same scope and extent as the course for which they seek credit and satisfy the head of each department of their proficiency. These credentials must be accompanied by a certificate from the Dean or corresponding officer supporting the above facts.

SPECIAL STUDENTS

Graduates of medicine or persons desiring to take courses not leading to graduation may be registered as special students, and may be admitted to courses for which they have the prerequisites and upon the payment of the fees required.

THE ARTS-MEDICINE COURSE

SEVEN YEARS

This course includes the first three years of the curriculum of the College of Arts, Philosophy and Science and the four years' curriculum of the College of Medicine. On the conditions prescribed below, the degree of Bachelor of Arts is conferred at the end of the first year of the course in Medicine, and the degree of Doctor of Medicine at the end of the fourth year of the course in Medicine.

Admission to the College of Arts. Required: English, 3 units; language other than English,

4 units; history, 1 unit; physics or chemistry, 1 unit; mathematics, 2 units; elective, 4 units. Total, 15 units.

Residence in the College of Arts. The privilege of entering the Arts-Medicine Course is open only to those who spend at least one of the three undergraduate years in residence in the College of Arts, Philosophy and Science of The Ohio State University.

Standing. The privilege of counting the first year of Medicine as the senior year in Arts is open only to those students who during the three years in Arts, Philosophy and Science maintain a standing of at least "A" (Average).

Group-Requirements. During the three years in Arts, the student must fulfill the group-requirements for the degree of Bachelor of Arts as described in the Bulletin of the College of Arts, Philosophy and Science and further must include in his Arts course the following:

(a) Physics: 8 semester hours (four semester hours, for those entering with credit for one unit of physics).

(b) Chemistry: 13 semester hours (five hours of which shall be organic chemistry).

(c) Biology: 12 semester hours comprising general zoology, 3 semester hours (Zoology 101); comparative anatomy of vertebrates, 3 semester hours (Anatomy 101); and Physiology 101-102, 6 semester hours.

(d) Psychology (101-102) 6 semester hours.

Electives. No part of the course in Medicine may be counted as elective in the College of Arts, Philosophy and Science during the three undergraduate years.

Degrees. When the student has completed at least 90 hours as above, in addition to military drill and physical education, he may enroll in the College of Medicine, and when he has gained credit for the first year's work in the College of Medicine, he will be recommended by the Faculty of the College of Arts, Philosophy and Science for the degree, Bachelor of Arts. When he has gained credit for the second, third and fourth years' work in the College of Medicine, he will be recommended by the Faculty of the College of Medicine for the degree, Doctor of Medicine.

THE SCIENCE-MEDICINE COURSE

SIX YEARS

This course includes the first two years of the curriculum of the College of Arts, Philosophy and Science and the four years' curriculum of the College of Medicine. On conditions prescribed below, the degree of Bachelor of Science is conferred at the end of the second year of the course in Medicine, and the degree of Doctor of Medicine at the end of the fourth year of the course in Medicine.

Admission. The same as for the Arts-Medicine Course.

Residence. The same as for the Arts-Medicine Course, substituting two years for three years.

Standing. The privilege of counting the first two years in Medicine as the last two years in the College of Arts, Philosophy and Science is open only to those who maintain a standing of at least "A" (Average).

CURRICULUM—FIRST YEAR	FIRST SEMES- TER	SECOND SEMES- TER
Foreign Language (French or German preferred)	4	4
English	2	2
Chemistry (general and qualitative)	4	4
American History or European History	3	3
Zoology (101)	3	
Anatomy (102)		3

SECOND YEAR

Foreign Language (French or German preferred)	4	4
Psychology (101-102)	3	3
Physics (4 semester hours for those entering with one unit of high school physics)	4	4
Chemistry (organic)	5	
Physiology ()		3
Elective		3 or 6

Regulations. The curriculum above may be modified in individual cases in accordance with the regulations printed in the Bulletin of the College of Arts, Philosophy and Science.

Degrees. When the student has completed at least 60 hours as above, in addition to military drill and physical education, he may enroll in the College of Medicine, and when he has gained credit for the first two years' work in the College of Medicine, he will be recommended by the Faculty of the College of Arts, Philosophy and Science for the degree of Bachelor of Science. When he has gained credit for the third and fourth years' work in the College of Medicine he will be recommended by the Faculty of the College of Medicine for the degree of Doctor of Medicine.

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UNIVERSITY CALENDAR

1916

Entrance examinations, Tuesday to Saturday, June 20 to 24, 8 A. M.
Summer Session, June 19 to August 11.

Entrance examinations, Tuesday to Saturday, September 12 to 16,
8 A. M.

Registration Day—First Semester—Tuesday, September 19.

President's Annual Address, Friday, September 22, 11 A. M.

Latest date for registration of candidates for a degree at the Com-
mencement of June 1917, October 1.

Registration Day, Short Courses in Agriculture—First Term—Tues-
day, October 17.

Mid-semester reports to the Deans concerning delinquent students,
Wednesday, November 22.

Thanksgiving recess begins November 29, 1 P. M., and ends December
5, 8 A. M.

Christmas recess begins Thursday, December 21, 6 P. M.

1917

Christmas recess ends Wednesday, January 3, 8 A. M.

Registration Day, Short Courses in Agriculture—Second Term—
Wednesday, January 3.

Final examinations, Thursday, January 25 to Thursday, February 1.

First semester ends Thursday, February 1, 6 P. M.

Registration Day—Second Semester—Tuesday, February 6.

Washington's Birthday, Thursday, February 22.

Close of Second Term, Short Courses in Agriculture, Friday, March 16.

Mid-semester reports to the Deans, Saturday, March 17.

Easter recess, Thursday, April 5, 6 P. M., to Tuesday, April 10, 8 A. M.

Memorial Day, Wednesday, May 30.

Competitive Drill—Cadet Regiment—Saturday, June 2.

Commencement, Tuesday, June 5.

Final examinations, Wednesday, June 6 to Wednesday, June 13.

Entrance examinations, Tuesday, June 19 to Saturday, June 23, 8 A. M.

BOARD OF TRUSTEES

JULIUS F. STONE, <i>Chairman</i>	Columbus
GUY W. MALLON	Cincinnati
O. E. BRADFUTE	Xenia
FRANK E. POMERENE	Coshocton
BENJAMIN F. McCANN	Dayton
JOHN F. CUNNINGHAM	Cleveland
JOHN F. KAISER	Marietta

THE COLLEGE OF MEDICINE

OFFICERS

WILLIAM OXLEY THOMPSON, D. D., LL. D.	<i>President</i>
EUGENE F. McCAMPELL, Ph. D., M. D.	<i>Dean</i>
CARL E. STEEB, B. Ph.	<i>Bursar</i>
EDITH D. COCKINS, B. A.	<i>Registrar of the University</i>
LESTER E. WOLFE, M. A.	<i>Secretary of the Entrance Board</i>
FRANCIS L. LANDACRE, Ph. D.	<i>Secretary of the Faculty</i>
WILLIAM M. MUTCHMORE.	<i>Custodian of the College Buildings</i>
CARRIE F. DUDLEY.	<i>Clerk</i>

THE OHIO STATE UNIVERSITY

COLLEGE OF MEDICINE

Note—The reorganization of the College of Medicine having been decided upon by the Trustees, effective June 30, 1916, the bulletin omits all announcement of names for the courses. The Faculty as announced is for the current year. Dr. Eugene F. McCampell has been elected Dean to succeed Dr. W. J. Means, resigned.

FACULTY AND INSTRUCTORS

1915-1916

WILLIAM OXLEY THOMPSON, D. D., LL. D.....	
.....Campus, Ohio State University	
<i>President of the University</i>	
WILLIAM J. MEANS, M. D., <i>Dean</i>	715 N. High St.
<i>Professor of Surgery and Head of Department</i>	
DAVID TODD GILLIAM, M. D.....	333 E. State St.
<i>Emeritus Professor of Gynecology</i>	
THEODORE W. RANKIN, M. D.....	137 E. State St.
<i>Emeritus Professor of Medicine</i>	
JOHN W. WRIGHT, M. D.....	Central National Bank Building
<i>Emeritus Professor of Clinical Ophthalmology</i>	
CHARLES S. HAMILTON, B. A., M. D.....	150 E. Broad St.
<i>Professor of Clinical Surgery</i>	
CURTIS C. HOWARD, M. Sc.....	151 E. Broad St.
<i>Professor of Toxicology</i>	
THOMAS C. HOOVER, M. D.....	249 E. State St.
<i>Professor of Clinical Surgery</i>	
CHARLES F. CLARK, M. D.....	188 E. State St.
<i>Professor of Ophthalmology</i>	
WILLIAM D. HAMILTON, M. D.....	150 E. Broad St.
<i>Professor of Clinical Surgery</i>	

- FRANCIS L. LANDACRE, Ph. D.2026 Iuka Ave.
*Professor of Anatomy, Head of the Department
 and Secretary of the Faculty*
- JOHN H. J. UPHAM, M. D.207 E. State St.
*Professor of Medicine and Clinical Medicine and
 Head of Department*
- JAMES F. BALDWIN, M. A., M. D., F. A. C. S.Grant Hospital
Professor of Clinical Surgery
- CONRAD A. HOWELL, M. D.70 West First Ave.
Professor of Principles of Surgery and Clinical Surgery
- ANDRE CROTTI, M. D.151 E. Broad St.
Professor of Clinical Surgery
- CHARLES W. MCGAVRAN, M. S., M. D.121 Jefferson Ave.
Professor of Medicine
- JOHN E. BROWN, B. S., M. A., M. D.239 E. Town St.
Professor of Rhino-Laryngology and Head of Department
- WILLIAM K. ROGERS, M. D.188 E. State St.
Professor of Otology
- WILLIAM D. DEUSCHLE, Ph. G., M. D.112 E. Broad St.
Professor of Nervous Diseases
- EARL M. GILLIAM, M. D.333 E. State St.
Professor of Diseases of Women
- FRANK WINDERS, M. D.246 E. State St.
Professor of Medicine and Clinical Medicine
- CARL L. SPOHR, Ph. G., M. D.915 S. High St.
Professor of Bacteriology
- ANDREW TIMBERMAN, M. D.112 E. Broad St.
Professor of Ophthalmology
- YEATMAN WARDLOW, M. D.350 E. State St.
Professor of Clinical Gynecology
- WILLIAM D. INGLIS, M. A., M. D.677 N. High St.
Professor of Obstetrics
- ERNEST SCOTT, B. Sc., M. D.N. Park St.
Professor of Pathology and Head of Department
- ELMER G. HORTON, B. Sc., M. D.2516 N. High St.
Professor of Pediatrics
- CHARLES J. SHEPARD, M. D.112 E. Broad St.
Professor of Dermatology

COLLEGE OF MEDICINE

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- WILLIAM L. EVANS, M. SC., PH. D..... Ohio State University
Professor of Chemistry and Head of Department
- EUGENE F. McCAMPBELL, PH. D., M. D..... 115 E. Woodruff Ave.
Professor of Preventive Medicine
- CLAIR A. DYE, G. PH., PH. D Ohio State University
Professor of Materia Medica
- ANDREWS ROGERS, M. D..... 185 E. State St.
Clinical Professor of Obstetrics
- HARRY R. BURBACHER, G. PH..... 78 Oakland Park Ave.
Assistant Professor of Pharmacology and Acting Head of Department
- CLAYTON MCPEEK, B. A., M. D..... 110 W. 1st Ave.
Assistant Professor of Physiology and Acting Head of Department
- EDWARD C. BUCK, M. D..... 895 Dennison Ave.
Assistant Professor of Anatomy
- HARRY H. SNIVELY, B. A., M. D..... 1368 N. High St.
Assistant Professor of Obstetrics
- JOSEPH S. JONES, M. D..... 1122 Oak St.
Assistant Professor of Therapeutics
- ISAAC B. HARRIS, M. D..... 246 E. State St.
Assistant Professor of Surgery
- VERNE A. DODD, M. D..... 246 E. State St.
Assistant Professor of Surgery
- JACOB J. COONS, B. S., M. D..... 112 E. Broad St.
Assistant Professor of Medicine
- STARLING S. WILCOX, M. D..... 340 E. State St.
Assistant Professor of Genito-Urinary Diseases
- ALEXANDER M. STEINFELD, M. D., F. A. C. S..... 207 E. State St.
Assistant Professor of Orthopedic Surgery
- EDWIN A. HAMILTON, B. A., M. D..... 106 E. Broad St.
Assistant Professor of Proctology
- WELLS S. TEACHNOR, M. D..... 185 E. State St.
Assistant Professor of Proctology
- LESLIE M. LISLE, B. Ph., M. D..... 218 E. State St.
Assistant Professor of Physical Diagnosis
- CHARLES F. BOWEN, Ph. C., M. D 125 S. Grant Ave.
Assistant Professor of Roentgenology

JOHN A. RIEBEL, M. D	15 W. Goodale St.
<i>Assistant Professor of Genito-Urinary Diseases</i>	
FREDERIC M. STANTON, B. Sc., M. D.	2501 Summit St.
<i>Instructor in Medical Chemistry</i>	
JONATHAN FORMAN, B. A., M. D.	N. Park St.
<i>Instructor in Pathology</i>	
SOI, A. HATFIELD, M. D.	St. Francis Hospital
<i>Instructor in Pathology</i>	
CHARLES S. MEANS, B. S., M. D., F. A. C. S.	677 N. High St.
<i>Instructor in Ophthalmology</i>	
CHARLES F. GILLIAM, M. D.	State Hospital
<i>Instructor in Mental Diseases</i>	
FLORUS F. LAWRENCE, D. Sc., LL. D., M. D., F. A. C. S.,	328 E. State St.
<i>Instructor in Clinical Surgery</i>	
HALBERT B. BLAKEY, M. D.	246 E. State St.
<i>Instructor in Medicine</i>	
GEORGE C. SCHAEFFER, M. D.	112 E. Broad St.
<i>Instructor in Ophthalmology</i>	
JOHN W. MEANS, D. D. S., M. D.	715 N. High St.
<i>Instructor in Surgery</i>	
LESLIE L. BIGELOW, B. A., M. D., F. A. C. S.	185 E. State St.
<i>Instructor in Surgery</i>	
FRED FLETCHER, M. D.	289 E. State St.
<i>Instructor in Surgery</i>	
HOWARD M. BRUNDAGE, M. D.	112 E. Broad St.
<i>Instructor in Clinical Microscopy</i>	
HUGH J. MEANS, B. A., M. D.	715 N. High St.
<i>Instructor in Roentgenology</i>	
JOSEPH PRICE, M. D.	Mercy Hospital
<i>Instructor in Clinical Surgery</i>	
PAUL A. DAVIS, B. A.	105 Hubbard Ave.
<i>Instructor in Chemistry</i>	
ROBERT L. BARNES, M. D.	112 E. Broad St.
<i>Instructor in Clinical Microscopy</i>	
ELIJAH J. GORDON, M. D.	602 E. Livingston Ave.
<i>Instructor in Medicine</i>	

COLLEGE OF MEDICINE

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GEORGE T. HARDING, M. D.....	318 E. State St.
<i>Instructor in Nervous Diseases</i>	
JAMES H. WARREN, B. A.....	2531 Glenmawr Ave.
<i>Instructor in Histology</i>	
HARLEY O. BRATTON, M. D.	112 East Broad St.
<i>Instructor in Urology</i>	
HALSTEAD R. WRIGHT, M. D.....	Central National Bank Bldg.
<i>Instructor in Pathology</i>	
ANDREW W. PROUT, M. D.	239 E. Town St.
<i>Instructor in Rhino-Laryngology</i>	
ROSCOE R. CAHLE, M. D.....	350 E. State St.
<i>Instructor in Surgery</i>	
CARLOS I. REED, B. A.....	105 Hubbard Ave.
<i>Instructor in Physiology</i>	
ADAM G. ELDER, B. Ph., M. D.	1072 N. High St.
<i>Instructor in Medicine</i>	
G. H. WILLIAMS, M. D.....	State Hospital Grounds
<i>Instructor in Mental Diseases</i>	
CHARLES E. LUDWIG, M. D.....	677 N. High St.
<i>Instructor in Anesthetics</i>	
JOHN B. ALCORN, M. D.....	185 E. State St.
<i>Instructor in Laryngology</i>	
LUKE V. ZARTMAN, B.A., M. D.....	289 E. State St.
<i>Assistant in Surgery</i>	
JOHN W. SHEETZ, B. Ph., M. D... ..	207 E. State St.
<i>Assistant in Medicine</i>	
HARRY E. MYERS, M.D.....	466 Wilson Ave.
<i>Assistant in Gynecology</i>	
A. B. LANDRUM, M. D.....	142 E. Long St.
<i>Assistant in Genito-Urinary Diseases</i>	
IVOR G. CLARK, M. D.....	188 E. State St.
<i>Assistant in Ophthalmology</i>	
ARTHUR M. HAUER, M. D.	289 E. State St.
<i>Assistant in Ophthalmology</i>	
HUGH G. BEATTY, M. D.....	150 E. Broad St.
<i>Assistant, Nose and Throat</i>	

THE OHIO STATE UNIVERSITY

- WILLIS H. HODGES, M. D. 1239 N. High St.
Assistant in Surgical Specialties
- GILBERT W. BREHM, M. D. 128 E. Oakland Ave.
Assistant in Obstetrics
- RAYMOND A. RAMSEY, B. A., M. D. 151 E. Broad St.
Assistant in Medicine
- JOSEPH M. GALLEN, M. D. 826 N. High St.
Assistant in Surgery
- GEORGE H. SHAWAKER, M. D. 150 E. Broad St.
Assistant in Genito-Urinary Diseases
- WALTER DUFFEE, G. Ph. 385 West Goodale St.
Assistant in Pharmacology
- CARL D. HOY, M. D. 15 W. Goodale St.
Assistant in Clinical Surgery
- CHARLES W. HADLEY, M. D. 15 W. Goodale St.
Assistant in Obstetrics
- PHILLIP WILSON, M. D. 106 E. Broad St.
Assistant in Clinical Surgery
- ARTHUR G. HELMIC, M. D. 197 E. State St.
Assistant in Pediatrics
- ROBERT A. THORNTON, M. D. 2516 N. High St.
Clinical Ward Assistant
- FRANK G. BOUDREAU, M. D., C. M. State Board of Health
Assistant in Physical Diagnosis
- ORRIN M. KRAMER, M. D. Ohio Penitentiary
Assistant in Physical Diagnosis
- JOHN C. BOWMAN, B. Sc. (Pharm.) 78 W. Norwich Ave.
Assistant in Chemistry
- GEORGE W. KEIL, M. D. 318 E. State St.
Assistant in Nervous Diseases
- HUGH A. BALDWIN, M. D., 347 E. State St.

COLLEGE OF MEDICINE

II

- HOWARD E. BOUCHER, M. D.....862 Mt. Vernon Ave.
Assistant in Surgery
- CARL F. HUGGER.....941 N. High St.
Assistant in Bacteriology
- ROBERT A. McDONALD..... 888 Dennison Ave.
Assistant in Anatomy
- CHARLES J. HUFNAGEL.....549 Grove St.
Assistant in Bacteriology
- RICHARD O. ADAMS, M. D.....Mercy Hospital
Clinical Assistant
- JUDGE EDGAR B. KINKEAD, M. A., LL. D.....1944 Iuka Ave.
Lecturer on Medical Jurisprudence
- DAVID N. POSTLEWAITE, B. A., LL. B.....Wyandotte Bldg.
Lecturer on Medical Jurisprudence
- HOMER C. BROWN, D. D. S.185 E. State St.
Lecturer on Oral Hygiene

HOSPITAL STAFFS

PROTESTANT HOSPITAL

VERNE A. DODD, M. D., *Chief of Staff*

General Surgeons

Verne A. Dodd, M. D.
John W. Means, M. D.
Carl D. Hoy, M. D.

Assistant

Phillip Wilson, M. D.

Gynecologists

Yeatman Wardlow, M. D.
Joseph M. Gallen, M. D.

Orthopedic Surgeon

Alexander M. Steinfeld, M. D.

Proctologist

Edwin A. Hamilton, M. D.

Genito-Urinary Surgeons

John A. Riebel, M. D.
Harley O. Bratton, M. D.

Anesthetist

Edward C. Ludwig, M. D.

Eye, Ear, Nose and Throat

John E. Brown, M. D.
Chas. S. Means, M. D.
Andrew Prout, M. D., Asst.
*Samuel Forsythe, M. D., Asst.

*Resigned.

Medicine

Chas. W. McGavran, M. D.
Elmer G. Horton, M. D.
Elijah J. Gordon, M. D.
Adam G. Elder, M. D., Asst.
John W. Sheetz, M. D., Asst.

Obstetricians

Wm. D. Inglis, M. D.
Andrews Rogers, M. D.
Harry H. Snively, M. D.
Charles W. Hadley, M. D., Asst

Neurologist

Geo. T. Harding, M. D.

Dermatologist

Chas. J. Shepard, M. D.

Roentgenologist

Hugh J. Means, M. D.

Pathologists

Ernest Scott, M. D.
Jonathan Forman, M. D.

Bacteriologist

Carl L. Spohr, M. D.

House Physicians

Philip J. Reel, M. D.
John S. Hattery, M. D.
John T. Gibbons, M. D.
William N. Taylor, M. D.

ST. FRANCIS HOSPITALISAAC B. HARRIS, M. D., *Chief of Staff*SOL A. HATFIELD, M. D., *Secretary***Consulting Surgeons**

THOMAS C. HOOVER, M. D.

WILLIAM J. MEANS, M. D.

CHARLES S. HAMILTON, M. D.

Attending Surgeons

Isaac B. Harris, M. D.

Leslie L. Biglow, M. D.

Fred Fletcher, M. D.

Conrad C. Howell, M. D.

Luke V. Zartman, M. D., Asst.

**Surgery of the Ductless
Glands**

Andre Crotti, M. D.

Genito-Urinary Surgeons

Starling S. Wilcox, M. D.

George H. Shawaker, M. D.

Hugh A. Baldwin, M. D.

Proctologist

Wells S. Teachnor, M. D.

Orthopedic Surgeon

Alexander M. Steinfeld, M. D.

Attending Physicians

John H. J. Upham, M. D.

Halbert B. Blakey, M. D.

**Assistants in Clinical
Medicine**

Jacob J. Coons, M. D.

R. A. Ramsey, M. D.

Leslie A. Lisle, M. D.

Dermatologist

Charles J. Shepard, M. D.

Neurologists

William D. Deuschle, M. D.

George F. Harding, M. D.

Ophthalmologists

Charles F. Clark, M. D.

Andrew Timberman, M. D.

Ivor G. Clark, M. D., Asst.

Arthur M. Hauer, M. D., Asst.

Ear, Nose and Throat

William K. Rogers, M. D.

John E. Brown, M. D.

Hugh G. Beatty, M. D., Asst.

Andrew Prout, M. D., Asst.

Pathologists

Ernest Scott, M. D.

S. A. Hatfield, M. D.

Roentgenologist

Charles F. Bowen, M. D.

House Physicians

Austin H. Seeds, M. D.

Clarence G. Bozman, M. D.

THE OHIO STATE UNIVERSITY**ST. ANTHONY'S HOSPITAL****Mann Street and Taylor Avenue**

Surgical clinic one forenoon each week by Earl M. Gilliam, M. D.

HAWKES HOSPITAL OF MT. CARMEL**West State Street and Davis Avenue**

Surgical clinic one forenoon each week by Charles S. Hamilton, M. D. Wm. D. Hamilton, M. D.

Bedside instruction one forenoon each week by J. J. Coons, M. D. Robert Barnes, M. D.

MERCY HOSPITAL**1430 South High Street**

Surgical and medical clinic two forenoons each week. Joseph Price, M. D., Instructor in Surgery, is in charge and is assisted by Richard O. Adams, M. D. Professor Carl Spohr is pathologist.

LAWRENCE HOSPITAL**423 East Town Street**

F. F. Lawrence, M. D., Instructor in Surgery, gives a surgical clinic one forenoon of each week.

OHIO PENITENTIARY HOSPITAL**West Spring Street**

One-half of the junior class spends one forenoon of each week in the Penitentiary Hospital in the study of Physical Diagnosis. Elijah J. Gordon, M. D., is in charge, assisted by O. M. Kramer, M. D., House Physician, and others.

COLUMBUS STATE HOSPITAL**West Broad Street**

Clinical instruction in Psychiatry is given one forenoon each week in the last half of the second semester by C. F. Gilliam, M. D., Superintendent and G. H. Williams, M. D., House Physician.

FRIEND'S RESCUE HOME**73 North Harris Avenue**

Service is given by W. D. Inglis, M. D. and Andrews Rogers M. D., in actual labor conductions.

DISPENSARY STAFFS

PARK STREET DISPENSARY

ELMER G. HORTON, M. D., *Chief of Staff*

Surgery

Verne A. Dodd, M. D.
John W. Means, M. D.
Roscoe R. Kahle, M. D.
Phillip Wilson, M. D.
Phillip J. Reel, M. D., *Interne*

Medicine

Elijah J. Gordon, M. D.
Adam G. Elder, M. D.
Samuel Hindman, M. D.

Genito-Urinary

John A. Riebel, M. D.
Albert B. Landrum, M. D.
William N. Taylor, M. D.,
Interne

Gynecology

Charles W. Hadley, M. D.
Joseph M. Gallen, M. D.

Consultant in Surgery

Wm. J. Means, M. D., *Dean*

Pediatrics

Elmer G. Horton, M. D.
Arthur M. Helmick, M. D.

Eye

George C. Schaeffer, M. D.
Charles W. Means, M. D.
*Samuel T. Forsythe, M. D.

Neurology

George T. Harding, M. D.
George W. Keil, M. D.

Dermatology

Charles J. Shepard, M. D.

Ear, Nose and Throat

John E. Brown, M. D.
Andrew Prout, M. D.
Charles S. Means, M. D.
*Samuel T. Forsythe, M. D., *Asst.*
Willis H. Hodges, M. D., *Asst.*

Consultant in Medicine

John H. J. Upham, M. D.

*Resigned.

STATE STREET DISPENSARY STAFF

SOL A. HATFIELD, M. D., *Chief of Staff***Surgery**

Luke V. Zartman, M. D.
Leslie L. Bigelow, M. D.
Issac B. Harris, M. D.

Genito-Urinary

George H. Shawaker, M. D.
Harley A. Bratton, M. D.
Hugh A. Baldwin, M. D.

Medicine

John H. J. Upham, M. D.
Raymond A. Ramsey, M. D.
Halbert B. Blakey, M. D.

Eye

Ivor G. Clark, M. D.
John B. Alcorn, M. D.

Dermatology

Charles J. Shepard, M. D.

Pediatrics

Arthur G. Helmick, M. D.

Ear, Nose and Throat

Hugh G. Beatty, M. D.
Arthur M. Hauer, M. D.

Neurology

George T. Harding, M. D.
George W. Keil, M. D.

Gynecology

Harry E. Myers, M. D.
Fred Fletcher, M. D.

THE OHIO STATE UNIVERSITY

The Ohio State University is maintained by appropriations from the State and Federal governments. It is located in the northern part of the city of Columbus, and is reached from the Union Station by North High Street or Neil Avenue electric cars. It comprises a graduate school and eleven colleges as follows:

Graduate School	College of Education
College of Agriculture	College of Engineering
College of Arts, Philosophy and Science	College of Homoeopathic Medicine
College of Commerce and Journalism	College of Law
College of Dentistry	College of Medicine
	College of Pharmacy
	College of Veterinary Medicine

The College of Medicine is located on Park Street near Buttles Avenue, four blocks north of the Union Station.

This bulletin is devoted exclusively to the work of the College of Medicine for the academic year, 1916-17.

For bulletins of the College of Medicine, or any information regard to entrance, address L. E. Wolfe, Secretary of the Entrance Board, Ohio State University, Columbus, Ohio. For information concerning the College, address Dr. W. J. Means, Dean, College of Medicine, North Park Street, Columbus Ohio.

Note—The University publishes a bulletin descriptive of each college. Copies may be obtained by addressing L. E. Wolfe, Secretary of the Entrance Board, Ohio State University, Columbus, Ohio, and stating the college in which the writer is interested.

COLLEGE OF MEDICINE

HISTORICAL

The College of Medicine, through its predecessors ranks as the third oldest medical college in the state and incorporates all the best medical college interests in central Ohio. The College stands upon a foundation of six medical schools with a continuity of college life covering more than eighty years. These colleges were the Medical Department of Willoughby University of Lake Erie 1834-46, The Willoughby Medical College of Columbus, 1846-47, The Starling Medical College, 1847-1907, The Columbus Medical College, 1875-92, The Ohio Medical University, 1892-1907, and The Starling-Ohio Medical College, 1907-14.

Recognizing the great advantage that might accrue to the cause of medical education in Ohio and to the entire medical profession and citizenship through the establishment of a College of Medicine by the Ohio State University, the Trustees of the Starling-Ohio Medical College gave to the State of Ohio all its properties both real and personal for this purpose. The College of Medicine, therefore, begins its career with an honorable history, with an alumni body of more than three thousand and an established reputation and position.

During the latter part of February 1914, the Starling-Ohio Medical College was placed in Class A-plus by the Council on Medical Education of the American Medical Association. There are 30 colleges in this class out of a possible 100 in the United States. This rating is extended to the College of Medicine of the Ohio State University.

PARK STREET BUILDING

This building is located on Park Street near Buttles Avenue fronting on Goodale Park. It consists of a large four-story building and a basement with a frontage of 94 feet and a depth of 150 feet. This building furnishes ample facilities for the numerous laboratories, teaching rooms, medical and dental dispensaries and administration offices. Two large rooms on the third floor are used for hospital purposes and are directly connected with the Protestant Hospital Building.

STATE STREET BUILDING

The main building is known as the St. Francis Hospital. It is used jointly for hospital purposes and clinical teaching, giving the advantage of bedside instruction and conference clinics under the same roof. The other building is used for an out-door dispensary and a clinical-pathological laboratory. This valuable property occupies a quarter square on the corner of State and Sixth Streets and is now the property of the State.

CLINICAL FACILITIES

HOSPITALS AND THEIR RELATIONS TO THE COLLEGE

PROTESTANT HOSPITAL

By contract, the College of Medicine has full clinical control of the charity patients in the Protestant Hospital. The hospital has a capacity of one hundred beds—fifty of which are charity beds and are under the full control of the college. All members of the visiting and house staff are nominated from the Faculty by the Trustees of the University and confirmed by the Trustees of the Protestant Hospital.

This hospital is located on Park Street and joins the college building. It was incorporated March 18, 1891, under the name of the Protestant Hospital Association, by the Methodist Episcopal Church. Other denominations unite in its support and are represented on its Board of Trustees. Its first home was on Dennison Avenue where the Hospital was conducted in part until 1898, when the present fireproof building was completed. The sight was donated and substantial aid given toward the construction of the building by the Ohio Medical University. For these and other considerations the College was given a perpetual lease on the clinical privileges, which was transferred to the Ohio State University. A first-class X-ray laboratory occupies a convenient place in the college and is open to all charity patients as well as those able to pay. The pathological and clinical laboratories are available for the benefit of hospital and dispensary patients.

ST. FRANCIS HOSPITAL

As a condition of the lease of the St. Francis Hospital building to the Sisters of the Poor of St. Francis, for hospital purposes, the clinical

material is under the direct control of the College of Medicine. All members of the Staff are elected by the Trustees of the University. The capacity of the hospital is one hundred and fifty charity beds. The whole building except one clinical amphitheater and one surgical amphitheater is leased to the Sisters for hospital purposes. Owing to the central location of the hospital a great number of emergency cases are found in the wards. These patients afford excellent clinical material. The hospital is well equipped for treating the sick, taking care of the injured and for conducting clinical work.

A well equipped clinical-pathological laboratory is located in the adjoining building which furnishes ample facilities for tissue and other examinations, and is in charge of a well trained teacher and pathologist who gives all his time to this work. An X-ray laboratory is used for diagnostic purposes. Extended improvements have been made to the building by adding sun rooms, interne rooms and an electric elevator.

Members of the Faculty are on the several staffs and in charge of the following hospitals, where by courtesy of the management, students in small sections have the privilege of receiving instruction in the wards and clinics.

ST. ANTHONY'S HOSPITAL

This institution, under the care of the Sisters of the Poor of St. Francis, is located at the corner of Mann Street and Taylor Avenue, in the eastern portion of the city. It has a capacity of two hundred beds.

HAWKES HOSPITAL

This hospital, located at the corner of West State Street and Davis Avenue, is within convenient access of the college. The building is large, of modern construction, and contains charity wards as well as a large number of private rooms and has a capacity of one hundred and fifty beds. The institution is owned and managed by the Sisters of the Holy Cross.

LAWRENCE HOSPITAL

The Lawrence Hospital is located on Town Street in close proximity to the St. Francis Hospital. This hospital has a capacity of twenty beds.

COLUMBUS STATE HOSPITAL

This institution, established, controlled and maintained by the State for the care of its insane, is one of the largest hospitals in Ohio. Its numerous patients exhibit all the different forms of insanity and furnish excellent opportunities for teaching psychiatry. The clinical instruction is given by the superintendent and one of the staff physicians. These teachers are specialists and the instruction is therefore most valuable.

MERCY HOSPITAL

This is a new hospital located on South High Street. It has a capacity of thirty-five beds. Students in small sections visit the wards two forenoons of each week and receive bedside instruction.

OHIO PENITENTIARY HOSPITAL

The Penitentiary Hospital furnishes excellent material for clinical study in general medicine, and special diseases. Regular weekly clinics are given by the teachers in clinical medicine and physical diagnosis.

THE FRIEND'S RESCUE HOME

This is an obstetrical hospital with fifteen beds. It furnishes a considerable number of obstetrical cases during the year. The students are permitted, under the direction of competent teachers to conduct labor cases.

An out-patient obstetrical service is maintained in connection with the City Board of Health and other charities. This work affords valuable experience for the students. They are brought into touch with environments and conditions such as exist in general practice.

HOSPITAL POSITIONS

There are in Columbus about fifteen positions for resident physicians in various hospitals open to graduates of the College of Medicine. These appointments are secured largely by competition.

DISPENSARIES

The Park Street Dispensary adjoins the Protestant Hospital and is attended by the Senior Class. The State Street Dispensary adjoins the St. Francis Hospital and is attended by the Junior Class.

This makes a very satisfactory teaching arrangement, in that it keeps the classes separate and affords much better advantages to the students.

The service in each department is conducted by well trained teachers under the direction and personal attention of senior professors and includes general medicine, general surgery, gynecology, ophthalmology, otology, rhino-larynology, genito-urinary diseases and dermatology.

These free dispensaries are the only general ones in the city and are owned, maintained and conducted by the College of Medicine. The attending class in each is divided into six sections which are assigned for a definite number of weeks in each department.

Each dispensary is in charge of a salaried superintendent whose duty it is to be present every day during dispensary hours, and to see that the patients are distributed to the several departments and receive proper attention. The students are required to examine patients, write histories, make necessary laboratory tests, make diagnoses and suggest treatment under the direction of the teachers. Attendance on these clinics is required and is made a part of the student's record.

LABORATORIES

ANATOMICAL LABORATORY

The anatomical laboratory includes two large rooms with a floor space of more than 3,500 square feet. It is equipped with modern tables, appliances for dissection and anatomical specimens, such as cross sections, skeletons and prepared organs. There are also ample facilities for the preparation and preservation of anatomical material.

PATHOLOGICAL AND HISTOLOGICAL LABORATORIES

These occupy a large, well lighted room with tables, lockers and other necessary equipment for microscopical work. The pathologic specimens are obtained from the hospitals and from post-mortems. There are adjacent rooms for preparing and storing specimens, private offices for the professors, a departmental library and a large recitation room in which is installed a modern projectoscope.

BACTERIOLOGICAL LABORATORY

This laboratory is located in a spacious, well lighted room equipped with tables, lockers and other apparatus necessary for teaching. There are three smaller rooms for preparation of cultures, and for animals.

Facilities for conducting all technical laboratory experiments and tests are amply provided. A course is given in serum-therapy and autogenous vaccines are prepared for treatment of patients in the hospital wards and dispensaries.

CHEMICAL LABORATORY

This laboratory is located in a large basement room and is well equipped with tables, lockers and scientific apparatus. The room is well ventilated. Electric fans are used to carry off gases formed in demonstration work.

PHYSIOLOGICAL AND PHARMACOLOGICAL LABORATORY

These combined laboratories occupy a whole floor of the main laboratory building. They are equipped with all the necessary appliances for individual work and for class demonstrations. There are thirty-four tables each provided with lockers and a complete Harvard outfit.

CLINICAL MICROSCOPY LABORATORY

This is on the fifth floor of the main building, and is arranged especially for teaching clinical laboratory diagnosis. It is equipped with high-power microscopes and other technical apparatus.

EXPERIMENTAL LABORATORY

This laboratory is fully equipped with apparatus for experimental work and operative surgery. The animal room is located conveniently near.

X-RAY LABORATORY

This laboratory is installed on the first floor of the college building, easily accessible to the hospital and dispensaries. It is equipped with the most up-to-date apparatus for diagnosis of visceral lesions and bone diseases. An apparatus is provided for exhibition of negatives in clinical conferences.

LIBRARY FACILITIES**DEPARTMENTAL LIBRARIES**

Each laboratory houses its own library of journals and the standard text and reference-books in the subjects concerned. There is also a general Library in which standard text-books and journals are kept for the use of the students. Over fifty periodicals are in the files including the leading journals in medicine, surgery and the medical sciences.

The University and State Libraries are open to all students who wish to investigate any subject in general science or in medicine.

ADMISSION

THE ENTRANCE BOARD

Admission of students into the College of Medicine is in charge of the University Entrance Board which determines the credits that shall be issued on all entrance certificates and furnishes all desired information to applicants. Correspondence relative to admission should be addressed to the *Entrance Board, the Ohio State University, Columbus, Ohio.*

REQUIREMENTS FOR ADMISSION

To secure admission to the College of Medicine, the applicant must present the following:

(1) An Ohio State Student's Certificate (to be obtained from the Entrance Examiner of the Ohio State Medical Board).

The state law governing the practice of Medicine in Ohio prescribes that every person before entering a medical college must receive a Student's Medical Certificate issued by the examiner of the State Medical Board. Regulations for securing this certificate may be obtained by writing to the Entrance Examiner of the Ohio State Medical Board, State House, Columbus, Ohio.

The certificate issued by the Medical Board has two uses: (1) It certifies that the holder has satisfied the minimum educational requirements as fixed by law for admission to medical colleges, which is equivalent to graduation from a first grade high school. It is therefore a prerequisite for matriculation in any medical college in the state of Ohio. (2) This certificate with the diploma issued by a recognized college, must be submitted to the Secretary of the State Medical Board by an applicant for admission to the examinations for a license to practice medicine in Ohio.

(2) A certificate of work in secondary schools. This must certify to graduation from a high school of the first grade (or from a preparatory school of equivalent rank), and must cover fifteen standard units for admission. In lieu of a certificate of graduation from a high school of the first grade, or of equivalent rank, a candidate for admission may meet the entrance requirements by passing examinations in fifteen units.

(3) A certificate of college attainments, showing that the applicant has obtained credit for at least two years of college work either in the College of Arts, Philosophy and Science of the Ohio State University, or in some other college of approved standing. These credits must total at least sixty semester hours, exclusive of military drill or physical education, and must include the following:

8 semester-hours of foreign language (preferably German or French)

8 semester-hours of chemistry

8 semester-hours of physics (or 4 semester-hours if one unit of physics has been certified on the certificate of the secondary school)

8 semester-hours of biology (general biology, botany, zoology, or physiology)

Adequate laboratory training must constitute a part of the credit in each science topic.

Conditions in these requirements will be allowed as follows: in physics, 4 semester-hours; in foreign language, 4 semester-hours. These conditions must be removed by the beginning of the second year in residence at the University.

CONDITIONAL ENTRANCE

Candidates who lack a part of the full requirements for admission to the College of Medicine may be received conditionally for the first year's work.

The total amount of conditions must not exceed eight semester hours nor be more than four semester hours in physics or in language; nor can any condition be allowed in chemistry or biology.

The work represented by these conditions must be completed and examinations passed before the opening of the second year. No student may continue as a member of the Second Year class who has not fulfilled all subject entrance requirements.

Entrance conditions should be removed by attendance and work in regularly organized courses of instruction. This is usually accomplished by attending the summer school in some standard institution.

No condition can be allowed in either chemistry or biology.

ADVANCED STANDING AND OTHER INFORMATION

Graduates in Arts or Sciences, (or holders of a higher degree from an accredited college) or graduates of Colleges of Pharmacy or Dentistry, who have taken either a preparatory medical course, or special course in organic chemistry, physiology or bacteriology, may be given subject-credit provided they present satisfactory credentials to the Entrance Board of having met the requirements of this college. But students given such advanced credit must in lieu thereof take such additional work as will give them no less than thirty semester hours each year in the first and second years of the medical course.

CREDIT FOR WORK DONE IN OTHER MEDICAL COLLEGES

Students from acceptable medical colleges may be admitted to advanced standing under the following rules:

1. They must present satisfactory evidence that they have met the entrance requirements of this college.

2. They must present credentials from the proper officer of the medical college attended, showing that they were registered medical students and in residence for the time for which credit is sought, and that they have met all financial obligations.

3. They must present official credentials of having completed courses of the same scope and extent as the course for which they seek credit and satisfy the head of each department of their proficiency. These credentials must be accompanied by a certificate from the Dean or Corresponding Officer supporting the above facts.

Time and subject-credits may be granted according to the rank of the school from which the applicant comes:

- (a) To students from Class A schools—Time-credit for not over three years. Subject-credit, without examination, in all subjects for which certificate of attendance and credit are held.

- (b) To students from Class B schools—Time-credit for not over two years. Subject-credit, in those subjects of the first and second years for which certificates of attendance are presented and credits which are acceptable to the heads of departments.

- (c) To students from Class C schools—Time-credit for not more than one year. Subject-credit, for the courses of the first year, by examination only.

GRADUATES IN MEDICINE

A graduate from another acceptable medical college may obtain a diploma from this college only under the following conditions:

1. He must comply with the conditions for admission to this college, submit the required time and subject-credits from the college from which he graduated, together with his diploma.
2. He must be in residence at this college one full college year, and take all the courses included in the curriculum of the fourth year.
3. He must pass examinations in all the subjects of the fourth year curriculum, and conform to all other requirements for graduation required of the students of this college.

SPECIAL STUDENTS

Graduates of medicine or persons desiring to take courses not leading to graduation may be registered as special students, and may be admitted to such courses as they are fitted to take without preliminary examination, but only by permission of the Dean and the professor in charge of the course, and upon payment of the fees required. Subjects completed satisfactorily to the professor may be credited subsequently if the student enters upon a regular medical course.

COMBINATION COURSES

THE ARTS-MEDICINE COURSE

SEVEN YEARS

This course includes the first three years of the curriculum of the College of Arts, Philosophy and Science and the four years' curriculum of the College of Medicine. On the conditions prescribed below, the degree of Bachelor of Arts is conferred at the end of the first year of the course in Medicine, and the degree of Doctor of Medicine at the end of the fourth year of the course in Medicine.

Admission to the College of Arts. Required: English, 3 units; language other than English, 4 units; history, 1 unit; physics or chemistry, 1 unit; mathematics, 2 units; elective, 4 units. Total 15 units.

Residence in the College of Arts. The privilege of entering the Arts-Medicine course is open only to those who spend at least one of the three undergraduate years in residence in the College of Arts, Philosophy, and Science of the Ohio State University.

Standing. The privilege of counting the first year of Medicine as the senior year in Arts is open only to those students who during the three years in Arts, Philosophy, and Science maintain a standing of at least "A" (average).

Group-Requirements. During the three years in Arts, the student must fulfill the group-requirements for the degree of Bachelor of Arts as described in the Bulletin of the College of Arts, Philosophy and Science and further must include in his Arts course the following:

(a) Physics: 8 semester hours (four semester hours, for those entering with credit for one unit of physics).

(b) Chemistry: 15 semester hours (eight semester hours, for those entering with credit for one unit of chemistry).

(c) Biology: 12 semester hours comprising general zoology, 3 semester hours (Zoology 101); comparative anatomy of vertebrates, 3 semester hours (Anatomy 101); and Physiology 101-102, 6 semester hours.

Electives. No part of the course in Medicine may be counted as elective in the College of Arts, Philosophy, and Science, during the three undergraduate years.

Degrees. When the student has completed at least 90 hours as above, in addition to Military Drill and Physical Education, he may enroll in the College of Medicine, and when he has gained credit for first year's work in the College of Medicine, he will be recommended by the Faculty of the College of Arts, Philosophy, and Science for the degree of Bachelor of Arts. When he has gained credit for the second, third, and fourth years' work in the College of Medicine, he will be recommended by the Faculty of the College of Medicine for the degree of Doctor of Medicine.

THE SCIENCE-MEDICINE COURSE

SIX YEARS

This course includes the first two years of the curriculum of the College of Arts, Philosophy, and Science and the four years' curriculum of the College of Medicine. On conditions prescribed below, the degree of Bachelor of Science is conferred at the end of the second year of the course in Medicine, and the degree of Doctor of Medicine at the end of the fourth year of the course in Medicine.

Admission. The same as for the Arts-Medicine Course.

Residence. The same as for the Arts-Medicine Course, substituting two years for three years.

Standing. The privilege of counting the first two years in Medicine as the last two years in the College of Arts, Philosophy and Science is open only to those who maintain a standing of at least "A" (average).

Curriculum—First Year: Foreign language (French or German preferred), 8 semester hours; physics, 8 semester hours (4 semester hours for those entering with one unit of high-school physics); Zoology 101, 3 semester hours; Anatomy 102, 3 semester hours; chemistry, 8 semester hours. Students entering with credit for one unit of chemistry will defer the required chemistry until the second year, substituting therefor in the first year the required American history and English composition of the second year.

Second year: Foreign language (French or German preferred,) 8 semester hours; Physiology 101-102, 6 semester hours; psychology, 6 semester hours; American history, 6 semester hours; English composition, 4 semester hours.

Regulations. The curriculum above may be modified in individual cases in accordance with the regulations printed in the Bulletin of the College of Arts, Philosophy and Science.

Degrees. When the student has completed at least 60 hours as above, in addition to Military Drill and Physical Education, he may enroll in the College of Medicine, and when he has gained credit for the first two years' work in the College of Medicine, he will be recommended by the Faculty of the College of Arts, Philosophy, and Science for the degree of Bachelor of Science. When he has gained credit for the third and fourth years' work in the College of Medicine he will be recommended by the Faculty of the College of Medicine for the degree of Doctor of Medicine.

SPECIAL ANNOUNCEMENTS

The combination courses of Science-Medicine and Arts-Medicine are open to students of colleges and universities that have no medical departments. Each college must determine, however, the time of residence required before matriculating in the College of Medicine and the required residence in the Medical College before granting the academic degree.

In the interest of higher educational ideals, the Ohio State University invites the coöperation of colleges and universities in an effort to popularize these courses.

CURRICULUM

FIRST YEAR

FIRST SEMESTER

Anatomy (121).....	6
Gross Anatomy	
Medical Chemistry (115).....	5
Organic Chemistry	
Anatomy (133).....	6
Histology and Embryology	

SECOND SEMESTER

Anatomy (122).....	4
Gross Anatomy	
Medical Chemistry (120)	4
Bio-Chemistry	
Anatomy (134).....	4
Histology and Embryology	
Therapeutics (102).....	2
Materia Medica	
Anatomy (136).....	4
Neurology	

SECOND YEAR

Anatomy (127).....	3
Applied Anatomy	
Pathology (115).....	3
Bacteriology	
Pathology (117)	3
General	
Physiology (121).....	5
Therapeutics (109).....	3
Materia Medica	

Pathology (116)	2
Bacteriology	
Pathology (118)	4
Special	
Physiology (122).....	5
Therapeutics (104)	5
Pharmacology	
Surgery (104)	2
Minor Surgery	

THIRD YEAR

Surgery (101).....	4
General and Clinical Surgery	
Surgery (105).....	2
Genito-Urinary	
Surgical Specialties (101)	2
Ophthalmology	
Medicine (101)	5
General and Clinical Medicine	
Medicine (123)	1
Clinical Diagnosis	
Pathology (103).....	2
Surgical Pathology	
Pathology (119).....	2
Clinical Pathology	
Therapeutics (113)	2
Applied Therapeutics	
Dispensary Clinics (101)	2

Surgery (102)	4
General and Clinical Surgery	
Surgery (116)	1
Orthopedic	
Medicine (102).....	5
General and Clinical Medicine	
Medicine (106).....	2
Nervous Diseases	
Medicine (108).....	2
Dermatology	
Medicine (124).....	1
Clinical Diagnosis	
Obstetrics (102)	2
Obstetrics (104).....	2
Diseases of Women	
Pathology (120)	1
Clinical Pathology	
Dispensary Clinics (102)	2

FOURTH YEAR

FIRST SEMESTER		SECOND SEMESTER	
Surgery (113)	2	Surgery (114)	2
General Surgery		Special Surgery	
Surgery (127)	3	Surgery (128)	3
Conference Clinics		Conference Clinics	
Surgical Specialties (105)	2	Medicine (114)	5
Ear, Nose and Throat		General and Clinical Medicine	
Medicine (113)	4	Medicine (122)	1
General and Clinical Medicine		Pediatrics, Clinical	
Medicine (115)	2	Obstetrics (106)	3
Preventive Medicine			
Medicine (121)	2	Hospital Clinics (102)	3
Pediatrics, General and Clinical			
Obstetrics (105)	2	Dispensary Clinics (104)	2
		Special Lectures	
Hospital Clinics (101)	3		
Dispensary Clinics (103)	2		
Pathology (107)			
Necropsies			

The student is required to attend at least seven necropsies.

ATTENDANCE

In any course the minimum of attendance for which credit is allowed is 85 per cent of the scheduled hours. The margin of fifteen per cent is allowed to provide against serious illness or other unavoidable absence. Regular attendance upon all scheduled work is required, and the Executive Committee is authorized to place on probation or recommend for dismissal any student who violates this rule without good cause. Absences just preceding or just following vacations are subject to especially rigid investigation.

SUBJECT	YEAR	FIRST SEMESTER					SECOND SEMESTER					GRAND TOTAL HOURS			
		Course No.	Dic. Hours	Lab. Hours	Total Hours	Credit Hours	Course No.	Dic. Hours	Lab. Hours	Total Hours	Credit Hours	Dic. Hours	Lab. Hours	Total Hours	Credit Hours
Anatomy															
Gross Anatomy	1	121	51	187	238	6	122	34	136	170	4	85	323	408	10
Histology & Embryology	1	133	51	153	204	6	134	34	102	136	4	85	255	340	10
Neurology	1	.....	.....	.....	.....	.....	136	34	102	136	4	34	102	136	4
Applied Anatomy	2	127	51	.....	51	3	.....	.....	.....	.....	.....	51	.....	51	3
Total .....	...	.....	153	340	493	15	.....	102	340	442	12	255	680	935	27
Medical Chemistry															
Organic Chemistry	1	115	51	102	153	5	.....	.....	.....	.....	.....	51	102	153	5
Bio-Chemistry	1	.....	.....	.....	.....	.....	120	34	102	136	4	34	102	136	4
Total .....	...	.....	51	102	153	5	.....	34	102	136	4	85	204	289	9
Physiology	2	121	51	136	187	5	122	51	102	153	5	102	238	340	10
Pathology															
Pathology—General and Special	2	117	17	85	102	3	116	17	136	153	4	34	221	255	7
Surgical Pathology	3	103	17	34	51	2	.....	.....	.....	.....	.....	17	34	51	2
Bacteriology	2	115	.....	153	153	3	116	.....	51	51	2	.....	204	204	5
Clinical Pathology	3	119	17	51	68	2	120	.....	51	51	1	17	102	119	3
Necropsies	4	107	Sev	en	re	quir	ed	.....	.....	.....	.....	.....	.....	.....	.....
Immunity and Serum Therapy .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total .....	...	.....	51	323	374	10	.....	17	238	255	7	68	561	629	17

SUBJECT	YEAR	FIRST SEMESTER					SECOND SEMESTER					GRAND TOTAL HOURS			
		Course No.	Dide. Hours	Lab. Hours	Total Hours	Credit Hours	Course No.	Dide. Hours	Lab. Hours	Total Hours	Credit Hours	Dide. Hours	Lab. Hours	Total Hours	Credit Hours
Advanced Pathology															
Elective.....				51	51	1	110	....	51	51	1	....	....	....	....
Neuropathology Elect..		113	....	51	51	1	114	....	51	51	1	....	....	....	....
Therapeutics															
Materia Medica and Pharmacy	1	....	....	....	....	....	102	17	34	51	2	17	34	51	2
Materia Medica.....	2	109	17	68	85	3	....	....	....	....	....	17	68	85	3
Pharmacology and Toxicology	2	....	....	....	....	....	104	34	102	136	5	34	102	136	5
Applied Therapeutics...	3	113	17	34	51	2	....	....	....	....	....	17	34	51	2
Total.....	...	....	34	102	136	5	....	51	136	187	7	85	238	323	12
Surgery															
General Clinical Surgery	3	101	51	34	85	4	102	51	34	85	4	102	68	170	8
General Special Surgery	4	113	34	....	34	2	114	34	....	34	2	68	....	68	4
Minor Surg., Anesthetics	2	....	....	....	....	....	104	34	....	34	2	34	....	34	2
Orthopedic Surgery	3	....	....	....	....	....	116	17	....	17	1	17	....	17	1
Genito-Urinary Surgery.	3	105	34	....	34	2	....	....	....	....	....	34	....	34	2
Anesthetics	4	....	Six	required	....	....	....	....	....	....	....	....	....	....	....
Conference Surgery Clinic	4	127	....	68	68	2	128	....	68	68	2	....	136	136	4
Total.....	...	....	119	102	221	10	....	136	102	238	11	255	204	459	21
Medicine															
Gen. Clinical Medicine.	3	101	68	34	102	5	102	68	34	102	5	136	68	204	10

SUBJECT	YEAR	FIRST SEMESTER					SECOND SEMESTER					GRAND TOTAL HOURS				
		Course No.	Dide. Hours	Lab. Hours	Total Hours	Credit Hours	Course No.	Dide. Hours	Lab. Hours	Total Hours	Credit Hours	Dide. Hours	Lab. Hours	Total Hours	Credit Hours	
Medicine																
Gen. Clinical Medicine.	4	113	17	68	85	4	114	17	102	119	5	34	170	204	9	
Clinical Diagnosis.....	3	123	....	34	34	1	124	....	34	34	1	....	68	68	2
Nervous Diseases.....	3	....	....	....	....	....	106	34	....	34	2	34	....	34	2
Preventive Medicine ...	4	115	34	....	34	2	....	....	....	....	....	34	....	34	2
Pediatrics	4	121	17	17	34	2	122	....	17	17	1	17	34	51	3
Dermatology.....	3	....	....	....	....	....	108	34	....	34	2	34	....	34	2
Total.....	...	....	136	153	289	14	....	153	187	340	16	289	340	629	30
Obstetrics																
Obstetrics	3	....	....	....	....	....	102	17	34	51	2	17	34	51	2
Obstetrics & Conductions	4	105	34	....	34	2	106	34	70	104	3	68	70	138	5
Diseases of Women.....	3	....	....	....	....	....	104	34	....	34	2	34	....	34	2
Total . . . . .	...	....	34	....	34	2	....	85	104	189	7	119	104	223	9
Surgical Specialties																
Ophthalmology	3	101	34	....	34	2	....	....	....	....	....	34	....	34	2
Otology, Rhino- Laryngology	4	105	34	....	34	2	....	....	....	....	....	34	....	34	2
Total.....	...	....	68	....	68	4	....	....	....	....	....	68	....	68	4
Hospital Clinics																
Dispensary Clinics.....	4	101	....	204	204	3	102	....	204	204	3	....	408	408	6
Dispensary Clinics.....	3	101	....	85	85	2	102	....	85	85	2	....	170	170	4
Dispensary Clinics.....	4	103	....	85	85	2	104	....	85	85	2	....	170	170	4
Total.....	...	....	....	170	170	4	....	....	170	170	4	....	340	340	8

SUBJECT	YEAR	FIRST SEMESTER					SECOND SEMESTER					GRAND TOTAL HOURS			
		Course No.	Dide. Hours	Lab. Hours	Total Hours	Credit Hours	Course No.	Dide. Hours	Lab. Hours	Total Hours	Credit Hours	Dide. Hours	Lab. Hours	Total Hours	Credit Hours
Lectureships															
Medical Ethics	102	4	....	4	....	4	....	4	....
Medical Jurisprudence	106	6	....	6	....	6	....	6	....
Medical Economics	110	....	....	....	....	....	....	....	....
Life Insurance	104	4	....	4	....	4	....	4	....
Oral Hygiene	108	....	....	....	....	....	....	....	....
History of Medicine....	112	....	....	....	....	....	....	....	....
Total	14	....	14	....	14	....	14	....
Freshman	306	918	1224	35
Sophomore	272	833	1105	35
Junior	561	578	1139	48
Senior	201	988	1189	35
Grand Total, all Departments, for Four Years.	1340	3317	4657	153

THE OHIO STATE UNIVERSITY

DEPARTMENTS OF INSTRUCTION

Anatomy

Embryology
Gross Anatomy
Histology
Electives

Medical Chemistry

Bio-Chemistry
Organic Chemistry

Medicine

Dermatology
General and Clinical Medicine
Nervous and Mental Diseases
Pediatrics

Obstetrics

Diseases of Women
Obstetrics

Pathology and Bacteriology

Bacteriology
Clinical Pathology
Pathology—General and Special
Electives

Physiology**Surgery**

General and Clinical Surgery
Genito-Urinary Surgery
Orthopedics

Surgical Specialties

Ophthalmology
Otology, Rhino-Laryngology

Therapeutics

Applied Therapeutics
Experimental Pharmacology and Toxicology
Materia Medica
Pharmacy

Lectureships

Life Insurance Examination
Medical Economics
Medical Jurisprudence

DEPARTMENTS OF INSTRUCTION

Note: The reorganization of the College of Medicine having been decided upon by the Trustees effective June 30, 1916, this bulletin omits all announcement of names for the courses.

ANATOMY

- 121—Human Anatomy.** Six credit hours. First semester. Three lectures or recitations, and eleven laboratory hours each week. Fifty-one didactic hours, 187 laboratory hours; total 238 hours. First year, Medicine.
Osteology, arthrology, syndesmology and myology.
- 122—Human Anatomy.** Four credit hours. Second semester. Two lectures or recitations and eight laboratory hours each week. Thirty-four didactic hours, 136 laboratory hours; total 170 hours. First year, Medicine.
Myology, angiology, splanchnology and peripheral nervous system.
- 127—Applied Human Anatomy.** Three credit hours. First semester. Fifty-one didactic hours. Second year, Medicine.
A review of Anatomy 121-122 with special emphasis laid on the application of anatomy to surgery, obstetrics and the surgical specialties.
- 133—Histology and Embryology.** Six credit hours. First semester. Three lectures or recitations and nine laboratory hours each week. An additional hour each week is devoted to the reports of original papers by instructors and students. Fifty-one didactic hours, 153 laboratory hours; total 204 hours. First year, Medicine.
The histogenesis and histology of the tissues; the histology and embryology of the circulatory, digestive, respiratory and muscular systems including the early stages of the mammalian embryos.
- 134—Histology and Embryology.** Four credit hours. Second semester. Two recitations or lectures and six laboratory hours each week. An additional hour for each week is devoted to the reports of original papers by instructors and students. Thirty-four didactic hours, 102 laboratory hours; total 136 hours. First year, Medicine.

The histology and embryology of the excretory and reproductive systems with a review of the whole subject of organogenesis.

- 136—Neurology.** Four credit hours. Second semester. Two lectures, or recitations, six laboratory hours each week. Thirty-four didactic hours, and 102 laboratory hours; total 136 hours. First year, Medicine.

The gross and microscopic structures of the brain and spinal cord including those phases of the embryology of the central nervous system, not covered in Anatomy 133-134.

- 103—Vertebrate Embryology.** Three to five credit hours. First semester. Elective. One lecture or recitation and four to eight laboratory hours each week. Prerequisite, one year in biological sciences, including Zoology 101.

Karokinesis of the early development of fishes, amphibians and reptiles.

- 149—General Microscopic Technique.** Three to five credit hours. First semester. Elective. One lecture or conference each week and five to eight laboratory hours. Prerequisite, one year's work in biology.

The preparation and study of tissues and organs by the ordinary technical methods.

- 150—Special Microscopic Technique.** Three to five credit hours. Second semester. Elective. One lecture or conference and five to eight laboratory hours each week. Prerequisite, Anatomy 149. The preparation and study of tissues by the less common and more difficult kinds of technique.

- 152—Special Advanced Anatomy.** Three credit hours. Second semester. Elective. Six laboratory hours and one conference each week. Hours to be arranged. Prerequisite, Anatomy 127 or its equivalent.

Students will select or have assigned to them special regions of the body for more extended study.

MEDICAL CHEMISTRY

- 115—Organic Chemistry.** Five credit hours. First semester. Two lectures, one quiz, six laboratory hours each week. Fifty-four class hours, 108 laboratory hours; total, 162 hours. First year, Medicine. Prerequisite, acceptable courses in general chemistry and qualitative analysis.

A study of the various classes of carbon compounds, especially in their bearing on the medical sciences.

- 120—Bio-Chemistry.** Four credit hours. Second semester. Two lectures, six laboratory hours each week. Thirty-four class hours, 102 laboratory hours; total 136 hours. First year, Medicine. Prerequisite, an acceptable course in organic chemistry. A study of carbohydrates, fats and proteins in their relation to the cell including a study of digestion, metabolism, animal fluids, enzymes, secretions and excretions in their normal condition with frequent references to pathologic variations.

MEDICINE AND CLINICAL MEDICINE

Physical Diagnosis. Second year, Medicine. Didactic and practical demonstrations in the physical exploration of the normal human body in connection with the study of the circulation and respiration in the course in physiology.

- 101-102—Medicine, General and Clinical.** Five credit hours. The year. Four recitations or quizzes and a two-hour conference clinic each week throughout the year. Total 204 hours. Third year, Medicine.

The field of general medicine as given in the standard text-books is covered. The conference clinics are given at St. Francis Hospital. Patients from the wards are exhibited and examined, and demonstrations of diagnostic methods shown.

- 106—Nervous Diseases.** Two credit hours. Second semester. Two recitations each week. Total 34 hours. Third year, Medicine.

Instruction in special methods of examination and general symptomatology of diseases of the nervous system; disorders of special nerves and nerve tract; cerebral and cord lesions and degenerations; meningeal diseases, with the various causes sequelae and treatment.

- 108—Dermatology.** Two credit hours. Second semester. Recitations and illustrated lectures. Total 34 hours. Third year, Medicine. Instruction in the various diseases of the skin, its constituent parts and appendages. The didactic instruction is supplemented by exhibition of cases showing the various skin lesions. These cases come from the hospitals and outdoor dispensaries. Lan-

tern slides are used where they exemplify the lesions under consideration to an advantage.

110—Roentgenology. Elective.

Practical demonstrations of plates are made in connection with the conference medical and surgical clinics and section ward-classes. Methods of X-ray diagnosis are shown, findings interpreted, and comparisons drawn with clinical findings.

113—Medicine, General and Clinical. Four credit hours. First semester. One recitation and two two-hour clinical conferences each week throughout the semester. Total 85 hours. Fourth year, Medicine.

114—Medicine, General and Clinical. Five credit hours. Second semester. One recitation and three two-hour clinical conferences each week throughout the semester. Total 119 hours. Fourth year, Medicine.

The didactic courses include instruction in special subjects of internal medicine and psychiatry. The conference clinics are conducted in the Protestant and St. Francis Hospitals, and consist of exhibition of patients in the clinical pavilion for examinations and a general review of the histories and laboratory records that have been made previously by individual students in the hospital wards. In this manner the entire class is informed of the cases studied in the several hospitals. The conferences in psychiatry are held at the Ohio State Hospital for the Insane. The wealth of material in this hospital permits of the exhibition of patients representing every type of psychoses, dementias, defectives, paranoias, and other psychopathic conditions.

115—Preventive Medicine. Two credit hours. First semester. Two recitations and demonstrations each week. Total 34 hours. Fourth year, Medicine.

The channels of infection, public health law and quarantine procedure; immunity, heredity, eugenics as applied to preventive medicine; protection of the food supply; public water supplies and sanitary analysis of water; sewerage and refuse disposal, industrial hygiene and occupational diseases and disinfection.

121—Pediatrics, Didactic and Clinical. Two credit hours. First semester. One hour recitation and quiz and one hour clinical conference each week. Total 34 hours. Fourth year, Medicine.

122—Pediatrics, Clinical Conference. One credit hour. Second semester. One hour each week. Total 17 hours. Fourth year, Medicine.

The didactic course in the first semester includes general instruction in the physical condition of the child, dietary requirements of infancy, and the proper hygiene for normal development and the diseases peculiar to childhood. The conference clinics are conducted in the Protestant Hospital, and consist of an exhibition of patients and a practical demonstration of the various forms of diseases of childhood and their diagnosis.

123-124—Clinical Diagnosis. One credit hour. The year. Lectures and laboratory work throughout the year. Total 68 hours. Third year, Medicine.

Instruction in case history taking, and observation and recognition of objective symptoms of diseases, supplemented by practical work. This instruction is given in the wards of the hospital of the Ohio Penitentiary.

DISPENSARY

101-102—Dispensary. Two credit hours. The year. Practical work in sections, five afternoons each week. Total 170 hours. Third year, Medicine.

Dispensary practice, nervous diseases and dermatology.

103-104—Dispensary. Two credit hours. The year. Total 170 hours. Fourth year, Medicine.

Sections in the dispensary have advanced practical work in medicine, pediatrics, and dermatology.

HOSPITAL

101-102—Hospital Work in Medicine. Three credit hours. The year. Three forenoons each week from 8 to 12 in the several hospitals. Total 408 hours. Fourth year, Medicine.

Medicine bedside work in the various hospitals in small sections; the students are required to examine patients, write histories

and to familiarize themselves with the details of diagnosis, the care and treatment of patients in all essential particulars. The histories written by the students are utilized as means of instruction in the medical conferences. In this manner the entire class is informed of the cases studied in the several hospitals.

OBSTETRICS

- 102—Obstetrics.** Two credit hours. Second semester. One lecture or recitation each week and two hours manikin exercise each week. Seventeen didactic hours, 34 laboratory hours; total 51 hours. Third year, Medicine.

Review of the anatomy and physiology of the female organs of reproduction, the development of the ovum, the physiology, diagnosis and management of normal pregnancy, labor and puerperium, puerperal infection, and the use of obstetrical manipulations.

- 104—Diseases of Women.** Two credit hours. Second semester. Two lectures or recitations each week. Total 34 hours. Third year, Medicine.

Displacements of the uterus, inflammation of cervix uteri, lacerations of cervix uteri, inflammatory and infectious diseases of the uterus, malignant diseases of the corpus uteri, and fibroid tumors of the uterus.

- 105—Obstetrics.** Two credit hours. First semester. Two lectures, recitations or clinical conferences each week. Total 34 hours. Fourth year, Medicine.

Abnormal presentations and positions, artificial interruptions of pregnancy, version, forceps, pubiotomy, embryotomy, Caesarean section.

- 106—Obstetrics.** Three credit hours. Second semester. Lecture, conference and conduction course. Seven conductions required of each student. Total 104 hours. Fourth year, Medicine.

Pathology of pregnancy, pathology of labor and the puerperium, hemorrhages, placenta praevia, adherent placenta, rupture of the uterus. Attendance upon 7 cases of confinement in the maternity department of the Protestant Hospital and the Rescue Home and at the homes of patients. Manipulations on the manikin will be reviewed by sections of students.

PATHOLOGY AND BACTERIOLOGY**MEDICAL BACTERIOLOGY**

115—Medical Bacteriology. Three credit hours. First semester. Nine laboratory hours each week. Total 153 hours. Second year, Medicine.

A laboratory course in bacteriological technique and the study of pathogenic bacteria.

116—Medical Bacteriology. Two credit hours. First half of the second semester. Six laboratory hours each week. Total 51 hours. Second year, Medicine.

A continuation of Medical Bacteriology 115.

137-138—Bacteriological and Serological Diagnosis. Three to five credit hours. Elective. Prerequisite, Pathology 115-116 and 117-118.

A cultural and serological study of materials collected in the wards and out-patient departments.

PATHOLOGY

103—Surgical Pathology. Two credit hours. First semester. One lecture and two laboratory hours each week. Total 51 hours. Third year, Medicine.

A laboratory course endeavoring to correlate the gross and microscopical pathology of operative specimens with the symptomatology.

107—Demonstrations of Necropsies. Second, third and fourth years, Medicine.

Each student is required to attend and write complete protocols of at least seven necropsies.

117—Pathology. Three credit hours. First semester. Five laboratory hours and one lecture each week. Total 102 hours. Second year, Medicine.

A laboratory course including a review of normal cytology, the study of retrogressive, inflammatory and regenerative reactions of tissues to special infectious agents. This study is correlated with Pathology 115 so that the morphological and cultural characteristics of the organisms are studied during the same week in

which the reaction of the tissues to the same organisms is being considered.

- 118—Pathology.** Four credit hours. Second semester. Five laboratory hours and one lecture each week, the first half of the semester; eleven laboratory hours and one lecture each week, the second half of the semester. Total 153 hours. Second year, Medicine.

A laboratory course covering parasite, tumors, and the special pathology of the various organs.

- 119—Clinical Pathology.** Two credit hours. First semester. One lecture and three laboratory hours each week. Total 68 hours. Third year, Medicine.

A laboratory course including the study of the blood, covering cell changes, ferment reactions, compliment fixation tests, phenomena of anaphylaxis, the preparation of the bacterial vaccines; the examination of urine, feces and stomach contents, sputum, spinal fluids and the various exudates. Accompanied by lectures explaining the significance of laboratory findings in diagnosis.

- 120—Clinical Pathology.** One credit hour. Second semester. Three laboratory hours each week. Total 51 hours. Third year, Medicine.

A continuation of Pathology 119.

- 127-128—Advanced Pathology.** Three to five credit hours. Elective. Prerequisite, Pathology 115-116 and 117-118.

A course in autopsy technique, including a study of the tissues and culture resulting from post-mortem examinations.

- 133-134—Advanced Special Pathology.** Three to five credit hours. Elective. Prerequisite, Pathology 115-116 and 117-118.

A course affording an opportunity for more detailed study of the histological and experimental pathology of special organs and tissues.

- 135-136—Seminar.** One credit hour. The year.

- 139-140—Experimental Pathology.** Three to five credit hours. Elective. Prerequisite, Pathology 115-116 and 117-118.

A course in experimental infection and immunity as applied to medicine.

129-130—Neuropathology. One credit hour. Elective.

A study of the pathological and the experimentally produced lesions of the nervous system.

PHYSIOLOGY**121—Physiology.** Five credit hours. First semester. Three recitations or lectures and eight laboratory hours each week. Fifty-one didactic hours, 136 laboratory hours; total 187 hours. Second year, Medicine.

The physiology of muscle and nerve, central nervous system, autonomic system, internal and external senses, blood and heart. An additional hour each week is devoted to reports of original papers by instructors and students.

122—Physiology. Five credit hours. Second semester. Three recitations or lectures and six laboratory hours each week. Fifty-one didactic hours, 102 laboratory hours; total 153 hours. Prerequisite, Physiology 121.

The physiology of the circulatory and respiratory mechanisms, digestion excretory structures, endocrinous glands, metabolism and reproductive organs. About fifteen hours are devoted to the principles of physical diagnosis as the appropriate places are reached. One hour each week additional is devoted to the reports of papers by instructors and students.

SURGERY**101-102—General and Clinical Surgery.** Four credit hours. The year. Three hours recitation or quiz throughout the year and two hours conference clinics. One hundred and two class hours, 68 clinic hours; total 170 hours. Third year, Medicine.

A careful consideration of the principles underlying surgical diseases, surgical diagnosis, and the technique of surgical procedures including fractures and dislocations. In operative surgery, each student will receive instruction in the technique of operative work on the cadaver and animals. Special attention is given to emergency operations.

In the conference clinics patients from the wards or from the dispensaries are examined and studied before the class in the clinical pavilion.

- 104—Minor Surgery.** Two credit hours. Second semester. Two lectures each week. Total 34 hours. Second year, Medicine. Fundamental instruction in the theory and practice of asepsis and antisepsis, the preparation of patients for operation, the preparation of sutures, ligatures and materials used in dressings, instruments and their use, and preparation for a surgical operation; also careful instruction in first-aid procedures, dressings and bandaging, and anesthetics.
- 105—Genito-Urinary Surgery.** Two credit hours. First semester. Two lectures each week. Total 34 hours. Third year, Medicine. A systematic presentation of the pathology, diagnosis, and treatment of the diseases of the genito-urinary organs. The didactic work is supplemented by clinical demonstrations in the dispensaries.
- 113—General Surgery.** Two credit hours. First semester. Two lectures each week on abdominal surgery. Total 34 hours. Fourth year, Medicine.
- 114—Special Surgery.** Two credit hours. Second semester. Two lectures each week on special surgical subjects. Total 34 hours. Fourth year, Medicine.

This course includes the following subjects:

- (a) Surgical gynecology
- (b) The ductless glands
- (c) Proctology
- (d) Surgical diseases of the brain and cord

- 116—Orthopedic Surgery.** One credit hour. Second semester. One lecture each week. Total 17 hours. Third year, Medicine. An introduction and demonstration of the more frequent forms of disease in this field. Cases from the hospitals and dispensaries are used to demonstrate the conditions discussed.
- 127-128—Conference Clinics.** Three credit hours. The year. Two periods each week; one of two hours at St. Francis Hospital and one of two hours at the Protestant Hospital throughout the year. Total 119 hours. Fourth year, Medicine.

In these conferences, the students discuss cases examined in the wards and later in the operating room. It is the purpose to correlate the clinical manifestations with the pathologic findings at

operation. Post operative manifestations and results are also considered. Patients are brought before the class for examination.

DISPENSARY CLINICS

101-102—Dispensary Clinics. Two credit hours. The year. Clinical hours, 170. Third year, Medicine.

The class is divided into six sections. Each section is given instruction five hours a week for six weeks in one department and then passed to another department. The service includes instruction in surgery, medicine, gynecology, eye, ear, nose and throat, proctology and genito-urinary diseases.

103-104—Dispensary Clinics. Two credit hours. The year. Fourth year, Medicine.

HOSPITAL CLINICS

101-102—Hospital Clinics in Surgery and Surgical Specialties. Three credit hours. The year. The class is divided into small sections. Three forenoons each week from 8 to 12 in the several hospitals. Total number of clinical hours, 408. Fourth year, Medicine.

Surgery bedside work in the various hospitals in small sections. The students are required to examine patients, write histories and to familiarize themselves with the details of diagnosis, the care and treatment of patients in all essential particulars. The histories written by the students, are utilized as means of instruction in the surgical conferences. In this manner the entire class is informed of the cases studied in the several hospitals. In the operating room, small sections of the class are instructed in the management of surgical cases and technique of operations. Coming in contact with the actual operative work, enables the student to become familiar with the special and general requirements of surgical treatment.

SURGICAL SPECIALTIES

101—Ophthalmology. Two credit hours. First semester. Two lectures or demonstrations each week. Thirty-four didactic hours. Third year, Medicine.

The anatomy of the eye, physiology of vision, refraction and practice. Special emphasis is laid upon the external diseases of the eye, upon the diagnosis of internal disease and the relation of this organ to general disease. The course is supplemented by clinical work in the dispensary.

The teaching service in the senior year is entirely clinical. Section teaching is carried out in the clinics, at the hospitals and dispensaries. Abundant exercise in practical refraction is given each section. Opportunity is afforded the class for a visit to the Ohio State School for the Blind, located in Columbus, to witness demonstration of cases. Credit for the year's work is given under dispensary and hospital courses.

105—Ear, Nose and Throat. Two credit hours. First semester. Two lectures or quizzes each week. Thirty-four didactic hours. Fourth year, Medicine.

(a) The course in nose and throat is supplemented by clinics at the Park Street and State Street Dispensaries. This field furnishes abundant operative material for hospital cases as well as ambulatory patients for dispensary treatment. The use of instruments, the technique of examination and treatment are taught practically. Anatomical preparations are used for accessory demonstrations and the students are required to report upon patients examined.

(b) The course in otology is supplemented by lantern slides and anatomical demonstrations and by operative clinics. The dispensary clinics afford an abundance of material to demonstrate the ordinary diseases and conditions met with in practice. The class is given demonstrations of ear diseases and conditions in the Ohio State School for the Deaf, located in Columbus.

THERAPEUTICS

102—Materia Medica. Two credit hours. Second semester. One lecture and two laboratory hours each week. Seventeen didactic hours, 34 laboratory hours; total 51 hours. First year, Medicine. A systematic and detailed study of the various drugs used in medicine, with a short practical pharmacy service to familiarize the student with the fundamental processes in pharmacy, the chemistry involved, as well as the manufacturing, compounding and dispensing of official preparations.

109—Materia Medica. Three credit hours. First semester. One lecture and four laboratory hours each week. Seventeen class hours, 68 laboratory hours; total 85 hours. Second year, Medicine.

A laboratory course in which instruction is given in the identification, dosage, characteristics and properties of vegetable and chemical drugs. The course also includes the fundamental principles in prescription writing.

104—Pharmacology. Five credit hours. Second semester. Two lectures and six laboratory hours each week. Thirty-four class hours, 102 laboratory hours; total 136 hours. Second year, Medicine.

A general review of vegetable and chemical substances together with the study of the physiological action of drugs in groups, with experiments on absorption, elimination, fate of drugs in the body, their relation to emesis, catharsis, peristalsis and diuresis.

113—Applied Therapeutics. Two credit hours. First semester. One lecture and one laboratory period. Seventeen class hours, 34 laboratory hours; total 51 hours. Third year, Medicine.

This course includes a systematic study of the application of drugs in the treatment of disease, and a drill in writing prescriptions. Also a demonstration in the laboratory on animals, showing the action of the various poisons and the action of the antidotes controlling them. A short course is given in electro-therapeutics, including the uses of various electric currents, descriptions, and demonstrations of the X-ray apparatus, the physics of the X-ray, the technique of its use in diagnosis, therapeutics, and dangers.

LECTURESHIPS

Medical Jurisprudence. Lectures on the following subjects:

(1) The relation of the physician to the State. (2) The relation of physician and patient as it pertains to character relation; restraint of patients; the right to examine or to operate; express contracts; implied contracts; malpractice. (3) On the relation of physician to pharmacists, and pharmacists to the public; on the relation of the physician to nurse, and nurse to patient. (4)

On the relation of physicians to one another and to charlatans.

(5) On the Governmental control of communicable diseases.

(6) On injuries other than wounds, including the traumatic neuroses. (7) On poisoning. (8) On insanity; (a) from the standpoint of public health; (b) from the standpoint of law.

(9) On sexual relations; (a) rape; (b) abortion; (c) infanticide; (d) prostitution; (e) marriage and divorce.

Medical Economics. Six hours will be devoted to Medical Economics.

It is expected that these lectures will contribute to the cause of right conduct in the practice of medicine, and be a positive factor in the development of a character worthy of a scientific profession.

Life Insurance Examination.

A short course of instruction will be given in the work of Life Insurance examinations.

FEES AND EXPENSES

GENERAL CHARGES

All University dues must be paid at the opening of each semester as a condition of admission to classes. Registration is not complete until the fees have been paid. Students are cautioned against trying to register without the necessary money for fees and required deposits. No student has any privileges in the classes or laboratories until all fees and deposits are paid.

The tuition fee is \$100.00 A deposit of \$50.00, no part of which is returnable, is required for laboratory supplies.

PAYMENT OF TUITION

The student must pay \$75 at the beginning of each semester—\$50 tuition, and \$25 laboratory fees, and will not be enrolled in classes until this payment is made. No postponement or reduction of fees is made. No notes are accepted under any circumstances.

FEES FOR SPECIAL STUDENTS

Special students shall pay the incidental, material and other fees the same as regular students, if they take laboratory and clinical work. They shall pay tuition for the number of hours in proportion to the number of hours scheduled in the curriculum. Payment of fees does not carry with it time credit.

THE OHIO UNION

A fee of one dollar a semester is paid by all male students at registration. This entitles the student to all privileges of the Union consistent with the Constitution and House Rules governing it.

RETURN OF FEES

Fees are not returnable except in case of sickness and causes entirely beyond the control of the student. No portion of the fees shall be returned for voluntary withdrawal of the student or enforced withdrawal thirty days after registration. Students withdrawing under discipline forfeit all rights to the return of any portion of the fees. In no case shall more than one-half the fee be refunded.

BREAKAGE AND INCIDENTAL CHARGES

Waste of material or destruction of apparatus in the laboratories or the destruction of college property in general, will be charged against the individual student, section or class.

LOCKER FEES

The gymnasium is free to all students, but those desiring to use a locker are charged a fee of two dollars a semester, which includes the rental of towels.

GRADUATION FEES

A fee of five dollars, to cover expense of graduation and diploma, is required of each person receiving one of the bachelor degrees from the University, and this fee must be paid on or before the last Friday before Commencement. A like fee of ten dollars is charged each person receiving one of the higher graduate degrees.

OTHER EXPENSES

The cost of the required books and instruments in the Medical Course will average about \$35.00 to \$40.00 a year.

Students are required to provide themselves with instruments for their personal use in the anatomical and physiological laboratories, and instruments for examining patients in the dispensaries and hospitals. Senior students are required also to provide themselves with an obstetrical outfit.

Students are urgently requested to purchase their own microscopes. A high-power instrument can be secured through the College of Medicine at a minimum price of \$65.

A list of necessary instruments to be purchased will be furnished by the teachers in charge of the departments.

The latest editions of text-books on all subjects taught in the different departments can be purchased at the College of Medicine. This is for the convenience of the students. Do not purchase text-books until the teachers have been consulted.

ROOM AND BOARD

Good room and board varies in cost with the location and environments. Comfortable living can be had for \$4.00 to \$5.00 a week. A list of boarding houses, within easy access of the College, at which

good board and room can be secured at reasonable prices, may be obtained at the office.

ESTIMATE OF EXPENSES

In order to furnish more specific information, we have listed below an estimate of the average payments required by the University for the first year of the College of Medicine and have estimated the cost for room and boarding at a safe price. These two items are sometimes reduced slightly where two students occupy the same room and where boarding clubs are economically managed.

Tuition Fee.....	\$100 00
Ohio Union	2 00
Laboratory Fees.....	50 00
Books	40 00
Board—(36 weeks at \$3.50 per week)	126 00
Room rent, at \$8.00 per month.....	72 00
General expenses	100 00
Total.....	\$490 00

The item of *general expenses* in the above estimate is always subject to the personal habits of the individual, and varies according to the degree of economy exercised.

OPPORTUNITIES FOR SELF-HELP

There are in the cities many opportunities to obtain work by which the student may add to his resources. During the summer many students secure remunerative employment in the city. While the College authorities cannot hold themselves under obligation to secure such places, they will aid as far as possible.

STUDENT ASSISTANTSHIPS

A limited number of student assistantships in the several laboratories are available for men who have had laboratory training and who have enough advanced credits to give them time to do the work required. These positions will be assigned only to men who give evidence of good training in the subject in which the assistantship lies and who can present convincing recommendations from former instructors. The compensation will depend upon the amount of time which the assistant is able to give. These assistants are not relieved from payment of tuition and other fees.

REGISTER OF STUDENTS

1915-1916

FRESHMAN

Black, Ellis Moore.....	Columbus
B. A., 1913; M. A., 1915, Ohio State University	
Burns, Clarence John.....	Columbus
Ohio State University, 1913-14; 1914-15	
Burrell, Nial Lanson.....	New Lexington
Ohio State University, 1913-14; 1914-15; 1915-16	
Charlton, Paul Hazlett.....	Columbus
Ohio State University, 1912-13; 1913-14; 1914-15	
Edwards, Donald Hall.....	Berea, Ky.
Miami University and Berea (Ky.) College, 1912-13; 1913-14; 1914-15	
Gorey, William Joseph.....	Columbus
Ohio State University, 1912-13; 1913-14; 1914-15	
Griffith, Joseph Myrhl.....	Columbus
B. A., 1915, Ohio State University	
Hufnagel, Charles Julian.....	Columbus
B. S., 1913, Oklahoma Agr. and Mech. College	
Hyer, Carl Aaron.....	New Holland
Ohio Wesleyan University, 1909-10; 1910-11; 1911-12; 1912	
Krigbaum, Roy Edmund.....	Columbus
Ohio State University, 1912-13; 1913-14; 1914-15	
Lum, Easton Huddard.....	Columbus
B. A., 1915, Ohio State University	
Mann, Samuel David.....	Nelsonville
B. Sc., 1915, Ohio University	
Means, Russel Garrett.....	Columbus
Ohio State University, 1913-14; 1914-15	
Murphy, Link McKinley.....	Wilmington
Ohio State University, 1912-13; 1913-14; 1914-15	
Roth, Louis Joseph.....	Columbus
Ohio State University, 1913-14; 1914-15	

Stevens, Harold Hobart.....	Grand Rapids
Ohio State University, 1912-13; 1914-15	
Teachnor, Wells Halderman, Jr.....	Columbus
Ohio State University, 1913-14; 1914-15	
Watson, Frank Warner.....	Dennison
Ohio State University, 1912-13; 1913-14; 1914-15	

SOPHOMORE

Allen, Ira Guy.....	Bergholz
Ohio State University, 1913-1914	
Antonelli, Racco Marcus.....	Youngstown
A. B., Miami University, 1913	
Bowman, John Clinton.....	Thornville
B. Sc. (Pharm.), Ohio State University, 1914	
Briggs, John Earl.....	Briggsdale
Brunk, Clifford Franklin.....	Elida
A. B., Goshen College, 1915	
Byers, Guy Ewing Gilfillan.....	Arcanum
Ohio State University, 1910-14	
Clifton, Jay Stanley.....	Etna
Ohio State University, 1913-14	
Davis, Roger Q.....	Wellston
Ebersbach, Raymond Victor.....	Pomeroy
Ohio State University, 2 years	
Feiman, Edward Moschi.....	Canton
Ohio State University, 1910-11; D. D. S., Western Reserve, Ohio Dental College, 1914	
Hagedorn, Arther Frederick.....	Cleveland
Adelbert College of Western Reserve University, 1910-14	
Harlor, Donald McLeod.....	Columbus
B. A., Ohio State University, 1914	
Huffer, Earl.....	Columbus
Ohio State University, 1912-14	
Jones, Alfred Evan.....	Columbus Grove
Kimball, Oliver Perry.....	London
A. B., Wittenberg College, 1911	

Kissane, Ray Wilhelm	Mansfield
Levi, Heiney Earl	Columbus
McClure, Howard Smith	Wooster
Wooster University, 1911-14	
Martin, Jesse Benton	Cadiz
Ohio State University, 1913-14	
Mateja, George Jacob	Cleveland
Parent, Virgil William	Lima
Otterbein University, 1912-14	
Ralston, Donald Grant	McConnellsville
University of Redlands, Cal., 1913-14	
Scott, John Herbert Bryce	Columbus
A. B., Geneva College, 1901	
Sheetz, Virgil Elias	Lima
Otterbein University, 1913-14	
Shields, George Emmet	Columbus
Skipp, William Marshall	Youngstown
Smith, William P.	New Philadelphia
B. Sc., Ohio Northern University, 1909	
Taylor, Walter Scott	Utica
Tombaugh, Allen Aldean	Williamstown
Webb, Carl Castor	Albany
Wilce, John Woodworth	Milwaukee, Wis.
A. B., University of Wisconsin, 1910	

JUNIOR

Anderson, Walter Marion	Wapakoneta
P. D., Philadelphia College of Pharmacy, 1912	
Andre, Robert McQueen	Waverly
Barth, Karl Herman	Chatfield
Bates, Lloyd Vere	Columbus
B. Sc. (Pharm.), Ohio State University—2 years	
Baughn, Henry Alden	Washington C. H.
Ohio State University—3 years	

Beck, Walter Waldo.....	Napoleon
Ohio State University—1 year	
Brown, James Andrew	Newark
Bussdicker, Russel David	Dayton
Butt, Gail Knorr.....	Johnstown
Caldwell, John Henry.....	Guysville
Castleman, Frank Riley	Columbus
B. S., Colgate University, 1906	
Cohen, Samuel David	Coshocton
Ohio State University—1 year	
Crawford, Russell Boyd	Coshocton
Wooster University—2 years	
Crawley, Jay Randolph.....	Marion
Crist, Damon Ambrose	West Milton
Davies, William Walter	Delaware
B. S., Ohio Wesleyan University, 1912	
Davis, Claude Vernert.....	McConnelsville
Driscoll, Frederick James.....	Ashtabula
Duffee, Walter Edwin.....	Columbus
G. Ph., Starling-Ohio Medical College, 1909	
Fox, Charles L.....	Gomer
B. Ped., Ohio Northern University, 1911	
Gilliam, David Bottimer.....	Columbus
Gladding, Oscar Shay.....	Berea, Ky.
Gorby, Clyde Otha.....	Moundsville, W. Va.
Hall, Fred Ellis	Washington C. H.
Hancuff, Alfred Paul	Columbus
Haney, Forest Clayton.....	Woodsfield
Henderson, Okey Carl	Portland
Hoskins, George Owen	Columbus
B. A., Ohio State University, 1913	
Hunter, George Golden	Ironton

Jacoby, Mark Walton	Ashland
Keller, Paul Clement	Columbus
La Favre, Harry Buyer	Sandusky
Latta, Reginald Heber	Graysville
Logan, Ernest Roy	Van Wert
Long, Charles Nevin	Stoystown, Pa.
Lorenzen, Martin Robert	Curtice
McDowell, Orrin Clark	Orrville
Maag, William Dovey	Columbus
Ohio University—1 year	
Markwith, Roll Harrison	Greenville
Ohio State University—1 year	
Masters, William Eugene	Piney Fork
Miller, Frank Edward	Wauseon
Mouser, Ray Henry	Latty
Myers, Ira Clayton	Vanderbilt, Pa.
Nosker, Robert Wayne	Columbus
Padan, Charles Donald	Columbus
Pond, Dallas	Broughton
Puncheon, William Sponart	Mineral City
Reck, Harry William	Gettysburg
Richards, Arthur Curtis	Columbus
Rieckhoff, Frederick Arthur	Defiance
Roach, Charles James	Newark
Ohio State University—2 years	
Robbins, Everett Chaney	Chillicothe
Ohio State University—3 years	
Rose, Edwin Jehu	Waterloo
Salisbury, Frank Lyon	Russellville
Saunders, Ralph Thomas	Findlay
Savolainen, Thekla Agatha	Virginia, Minn.

Schwartz, Frederick Leonhardt	Niagara Falls, N. Y.
Shaeffer, Arthur Merle	Lancaster
Shamansky, Harry Solomon	Nelsonville
Sheppard, Glen A	Findlay
Sowash, Henry Leo	Slippery Rock, Pa.
Stewart, Forrest Ray	Sherritts
Stultz, Jacob Forrest	Richmond Dale
Swan, George Forney	Bird's Run
Templeton, Harry John	Zanesville
Timberlake, Harold Paul	Belmont
A. B., West Lafayette College, 1912	
Troute, Foye R.	Cedarville
Walker, Oliver Frank	Niagara Falls, N. Y.
Walters, Hermann Frederic	Napoleon
Walters, Ota Gertrude	New Philadelphia
B. Sc., West Virginia University, 1915	
Warren, John Rush	Salt Petre
Whittaker, Alfred Heacock	Huntington, W. Va.
Williams, Homer Hamilton	Uhrichsville
Woodruff, Ralph Le Moyne	Moundsville, W. Va.
Ohio State University—2 years	
Zemer, Ralph Harold	Mt. Vernon
Zimmerman, George Homer	Stoystown, Pa.

SENIOR

Ashmun, Sterling Hindley	Dayton
Atkinson, Charles Bordman Taylor	Portsmouth
Bausch, Robert Peter	Columbus
Beach, Harry Cornelius Albert	Cumberland
Blizzard, Donald Murphy	Orrville

Bowman, James Maurice.....	Columbus
Burbacher, Harry Ray.....	Columbus
G. Ph., Ohio Medical University, 1905	
Burnett, Cecil Carl.....	New Lexington
Burrell, Guthrie Olaf.....	New Lexington
Ohio State University—1 year	
Carr, Lewis Richard.....	Prairie Depot
Dapp, Walter Ernest.....	Barberton
Davis, Paul Arthur.....	Jackson
B. A., Ohio State University, 1911	
Edwards, Austin Ray.....	Ashland
Finley, John Randolph.....	Dayton
Finsterwald, Charles Frederick.....	Athens
Freytag, Fredericka Florence.....	Dayton
Dayton Normal School, 1910	
Gauchat, Paul Crankshaw.....	Cleveland
Graf, Carl Herman.....	Portsmouth
Guthrie, Gale Clevenager.....	Uhrichsville
Hartinger, William Minx.....	Columbus
Helfrich, Martin Lewis.....	Lorain
Hill, Edgar Ward.....	Marietta
Marietta College—2 years	
Hugger, Carl Claron.....	Ironton
Hunter, Matthew Charles.....	Greenville
Kalter, George Elmer.....	Dayton
Kasinski, Theodore James.....	Lorain
Kissell, Francis Marion.....	Bradford
Kittredge, Merton Ray.....	Bryan

Koppe, Harold Frederic	Logan
Kramer, Julius Caesar	Ft. Jennings
Lawson, John Kinghorn	Gallipolis
Ph. C., Ohio State University	
Lehner, Charles Seymour	Columbus
Ph. C., Ohio State University	
Lehrer, Henry William	Sandusky
Lewis, Charles Robert	Dayton
Lindsay, Clarence Alphonso	Xenia
Luikart, John Henry	Moundsville, W. Va.
West Virginia Wesleyan College, 1912	
Lutz, Fred Alexander	Amanda
McElroy, Thomas	Mingo Junction
Magness, Alfred Parsons	Coshocton
Mariner, James Sidney	Youngstown
Maxwell, Charles Levi	Columbus
Miller, Gail Eldrid	Elida
Mouser, Justus Ambrose	Latty
Nagel, Elmer Herman	Defiance
Neal, Joe Mullineaux	Gallipolis
Ph. C., Ohio State University	
Peinert, Earl Fray	Tontogany
Philips, David Patterson, Jr	Kenton
Postle, Harold Vieman ...	Ashville
Ohio State University—1 year	
Rhodes, Fred Lawwill	Cottageville, W. Va.
West Virginia Wesleyan University—2 years	
Ohio University—2 years	
Royer, Don John	Columbus

Russell, Lecky Harper.....	Mt. Vernon B. L., Kenyon College, 1911
Ryan, Earl Hurst.....	Columbus Ph. G., Ohio Northern University
Schiller, Stanley Charles	Waverly
Shively, Charles Francis	Pleasant City
Skeen, Carroll Hallam	Greenfield
Small, Victor Roy	Covington
Stewart, James Edward.....	Atwater
Tanner, Clarence Benson	Columbus D. V. M., Ohio State University, 1911
Teter, Hadley Howard	Cleveland Oberlin College—1 year
Warvel, John Henry.....	Bradford

SUMMARY OF THE COLLEGE OF MEDICINE

Freshmen	18
Sophomores	31
Juniors	76
Seniors	60
Total.....	185